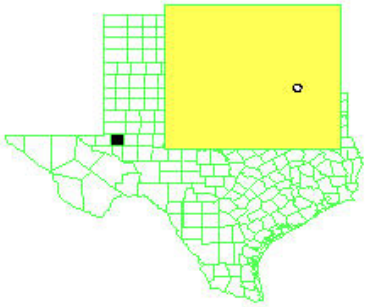
EAST 67th STREET (ECTOR COUNTY) ODESSA, TEXAS

EPA ID# TXN000606614
Site ID: 0606614



EPA REGION 6
CONGRESSIONAL DISTRICT 11

Contacts:
Vincent Malott 214-665-8313

Updated: October 2007

Current Status

The EPA completed the installation of 14 ground water monitoring wells in April 2007 (see maps below). The wells were located to assess both potential source areas for the ground water contamination and the leading edge of the contaminant plume in the residential area. The 14 new monitoring wells plus 4 existing monitoring wells were sampled in May and July 2007, along with a select set of private supply wells in July 2007. Based on the well data, the ground water flow is from the southwest to northeast and the upgradient extent of the contaminant plume has not yet been defined. The next phase of the investigation will focus on the southwest area of the contaminant plume in an effort to identify the source of the plume.

The EPA has issued a subcontract for completion of a survey for the planned water supply line to replace existing filtration systems (see map below). The planned water line route will serve those residences and businesses that are impacted, or may become impacted, by the ground water contamination at the Site. The survey is expected to be completed by mid-November with the water line design completed by mid-December. The TCEQ has installed filtration systems on ten private wells with contamination exceeding the drinking water limits established under the Safe Drinking Water Act.

Benefits

Without identification and investigation of the source of ground water contamination, more private wells may be contaminated.

National Priorities Listing (NPL) History

NPL Inclusion Proposal Date:	September 27, 2006
NPL Inclusion Final Date:	March 7, 2007

Site Description

The Site consists of a contaminated ground water plume originating from an unidentified source(s). The contaminant plume is located along 67th Street between Yukon Road to the north and VFW Lane to the south, and Andrews Highway to the west and Alderfer Avenue to the east. The Trinity aquifer is the only ground water source for drinking water in the site area. The water table is present at approximately 80 feet below the ground surface and the base of the aquifer is approximately 145 feet below ground surface. The Triassic red beds form the base of the aquifer. Ground water flow in the aquifer is generally to the east-southeast.

Wastes and Volumes

The ground water plume contains tetrachloroethene (PCE), trichloroethene (TCE), and cis 1,2-dichloroethene (cis 1,2-DCE). The site is being evaluated as a ground water plume of PCE and TCE with

no identified source. The maximum observed concentration of PCE is 100 micrograms per liter [µg/L or per billion (ppb)]. The outer boundary of the plume has not yet been defined but the existing sample data obtained from the private water wells has indicated a plume of at least 0.3 by 0.3 mile in size.

Health Considerations

There is no other potable water supply for the residents. Human exposure is currently prevented through ground water sampling and the use of filtration systems on individual private wells.

Record of Decision (ROD)

A Record of Decision will be issued following completion of the Remedial Investigation/Feasibility Study and an opportunity for the community and interested parties to review the data and comment on the preferred remedy identified by the EPA.

Site Contacts

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EPA Site Attorney:	James Bove	214-665-2794
EPA Regional Public Liaison:	Arnold Ondarza	214-665-6701
TCEQ Project Manager	Diane Poteet	512-239-2502

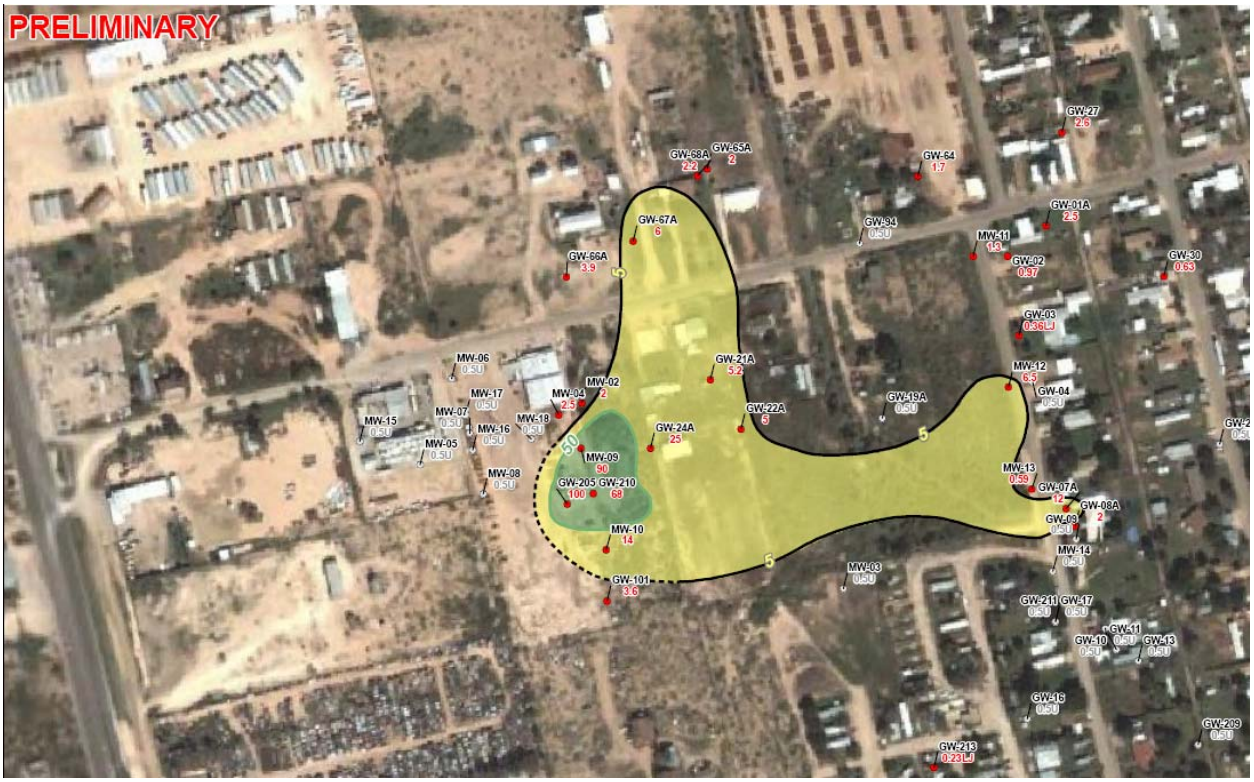
EPA Superfund Region 6 Toll Free Number: 1-800-533-3508

Information Repository: Ector County Public Library in Odessa, Texas

Site Map

The following site maps illustrate the ground water flow direction across the site based on water level data collected from monitoring wells. The ground water flow was expected to flow in a northwest to southeast flow direction but instead flows in a southwest to northeast direction.

The second map illustrates the PCE plume and is defined by the 5 µg/L drinking water limit (light green) and the higher concentrations greater than 50 µg/L. The PCE concentrations greater than the laboratory detection limit are marked in red numbers. The next round of monitoring well installation will focus on the southwest area of the PCE plume in order to identify the source area.



The following site map illustrates the water line layout to replace the existing filtration systems installed by the TCEQ. The water line extension is marked in “blue” and will provide service to affected residents along a portion of East 67th Street, Stevenson Avenue between East 67th Street and VFW Lane, and along VFW Lane.